

D O R I A N A

Supplemento agli

ANNALI DEL MUSEO CIVICO DI STORIA NATURALE "G. DORIA"
GENOVA

Vol. VII - N. 344

4.X.2004

JIŘÍ HÁVA (*)

ANTHRENUS (FLORILINUS) SVECI N. SP. FROM GREECE

(COLEOPTERA, DERMESTIDAE)

Among the material recently collected in Greece by Zdeněk Švec a new species of the genus *Anthrenus* O. F. Müller, 1764 has been discovered. It belongs to the subgenus *Florilinus* Mulsant & Rey, 1868 -which includes 6 species known from Europe (MROCZKOWSKI 1954 and 1968; PEACOCK 1993)- and in the habitus is very similar to *A. (F.) flavidus* Solsky, 1876. The latter species is recorded from Turkey for the first time.

The studied material is deposited in the following collections: JHAC = Author's collection; MSNG = Museo Civico di Storia Naturale "G. Doria", Genova, Italy; NHMB = Naturhistorisches Museum, Basel, Switzerland; PZAC = Petr Zahradník collection (Prague, Czech Republic); ZMAC = Zdeněk Malinka collection (Ostrava, Czech Republic); ZSVC = Zdeněk Švec collection (Prague, Czech Republic).

Anthrenus (Florilinus) sveci n. sp. (Figs. 1-3)

Holotype (♂) and Allotype (♀) labelled: „GR. [Greece, Peloponissos] 6.VI.1999, Olympia [15 km E of Pirgos; 37°40'N 21°40'W], Z. Švec lgt.“ (NHMB).

Paratypes (52 specimens not sexed): same data as above; 30 paratypes in JHAC, 20 paratypes in ZSVC, 2 paratypes in MSNG.

(*) Branická 13, CZ - 148 00 Praha 4, Czech Republic; e-mail: jh.dermestidae@volny.cz

A red, printed label with text as follows: "Holotype (Allotype or Paratype respectively) / *Anthrenus (Florilinus) sveci* sp. n. / Jiří Háva det. 2003" has been attached to each specimen of the type series.

Description of holotype ♂. Body length 1.8 mm, width 1.0 mm; body oval, black. Dorsal surface covered with brown and yellow scales. Individual scales generally widest at about proximal 1/3. Head covered with intermixed brown and yellow scales. Labrum emarginate. Lacinia with apex moderately sclerotized with a medially directed spine; spine variable in size. Frontal median ocellus present. Antennae 11-segmented, antennal segments I-VI yellow, VII-VIII brown; club 2-segmented, brown, compact (Fig. 1). Eye with entire median margin. Pronotum covered with intermixed brown and yellow scales. Each elytron covered with brown scales, with three transverse bands covered with intermixed brown and yellow scales; one band on the humeral area, the other one in the middle length and the third one before apex of elytra. Ventral surface covered with yellow scales; in particular abdominal sternites not bearing small spots of scales at antero-lateral margins. Visible sternites I-IV without spots in the middle and covered with yellow scales. Prosternum with only yellow scales. Metasternum with yellow scales, without a large patch at lateral margins. Legs brown with yellow scales and yellow microsetae. Male genitalia as in fig. 3.

Allotype ♀. Body length 2.1 mm, width 1.2 mm, dorsal and ventral surfaces covered with only yellow scales. Shape of antenna showing sexual dimorphism (Fig. 2).

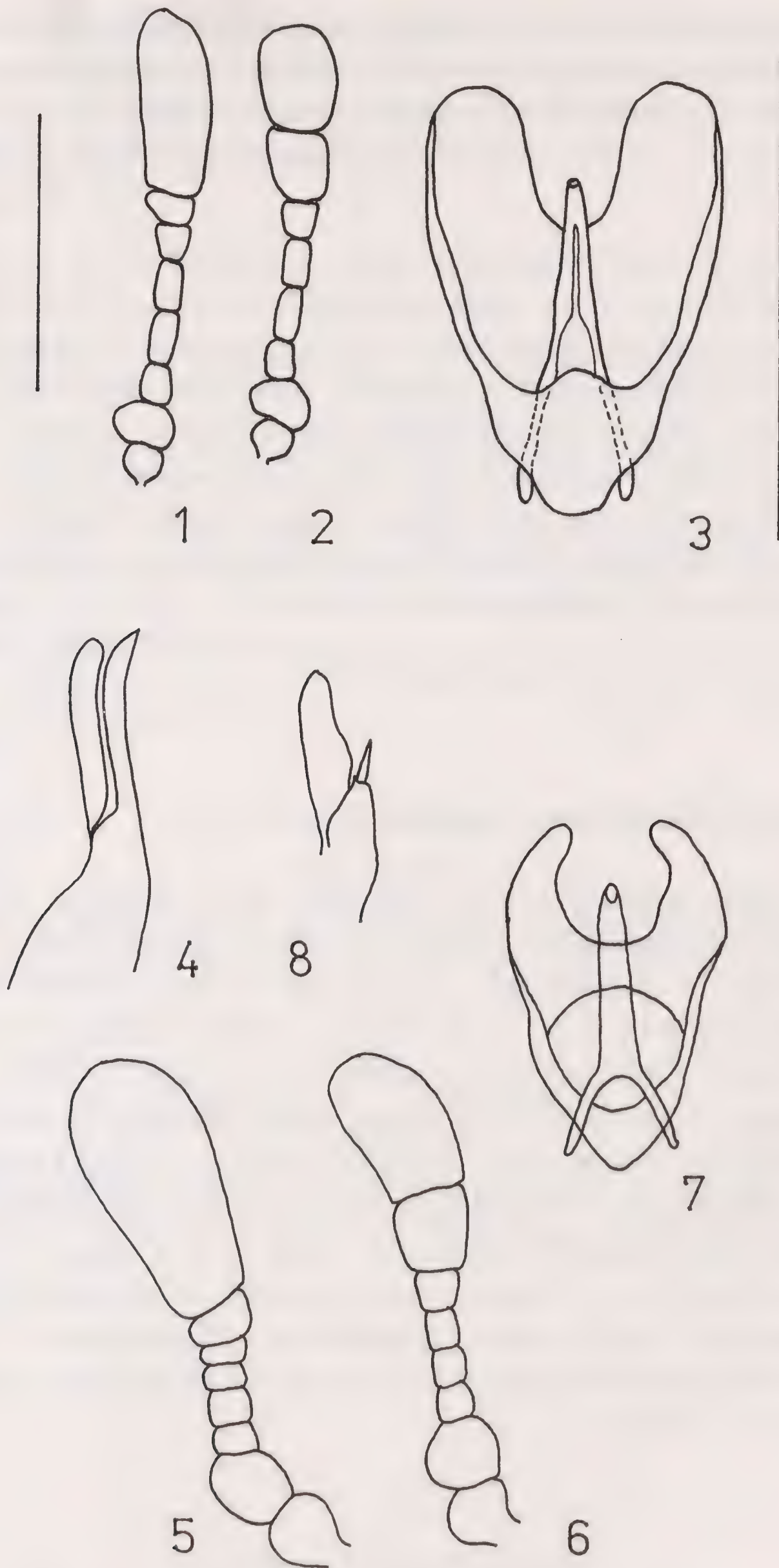
Paratypes. Body length 1.6-2.2 mm, width 0.9-1.3 mm. The coloration of elytra varies from only entirely yellow scales to three bands covered with yellow scales.

Bionomy unknown; all the specimens were singly collected on flowers of Apiaceae, near a brook (Z. Švec, pers. comm.).

Name derivation. Dedicated to my friend Ing. Zdeněk Švec (Praha, Czech Republic), known specialist of Phalacridae and Leiodinae (Coleoptera).

Differential diagnosis. The new species is very similar in the habitus to *A. (F.) flavidus* Solsky, 1876, but differs by the shape of lacinia, the morphology of antennal club and the male genitalia, as follows:

- 1) Lacinia with apex moderately sclerotized with a medially directed spine; spine variable in size; labrum emarginate;



Figs 1-8 - *Anthrenus (Florilinus) sveci* n. sp.: 1- antenna of male; 2- antenna of female; 3- male genitalia; 4- lacinia; *A. (F.) flavidus* Solsky, 1876: 5- antenna of male; 6- antenna of female; 7- male genitalia; 8- lacinia. (Figs 5-6 drawn according to SOKOLOV 1974). (scale = 0,25 mm)

scales on elytra brown, bands covered with yellow scales or variable elytra covered only with yellow scales (females); ventral surface covered with yellow scales; length 1.6-2.2 mm; antennae as in figs. 1-2; male genitalia as in fig. 3. Greece.

..... *A. (F.) sveci* n. sp.

- 1') Lacinia without apex moderately sclerotized with a medially directed small spine; spine not very variable in size; labrum entire; scales on elytra brown, bands on elytra covered with greyish-yellow scales or variable elytra covered only with greyish-yellow scales (females); ventral surface covered with white scales; length 1.2-3.4 mm; antennae as in figs. 5-6; male genitalia as in fig. 7. Poland (introduced), Turkey, Caucasus, Kazakhstan, Turkmenistan, Afghanistan, Uzbekistan, Kirghizistan, Tadzhikistan, N China.
..... *A. (F.) flavidus* Solsky, 1876

***Anthrenus (Florilinus) flavidus* Solsky, 1876**

Examined material: "TR [Turkey] - prov. Antalya, Elmali env., 800-1600 m, Avlanbeli geç., 14-17.VI.1996, P. Zahradník lgt.", 6 specs. (PZAC); ditto, M. Knížek lgt., 3 specs. (PZAC, JHAC); ditto, Z. Malinka lgt., 1 spec. (ZMAC); ditto, V. Švihla lgt., 2 specs. (JHAC); "Turkey, vil. Icel, (Mersin), Göktepe Dagi, Aslanli env., 10-22.VI.1998, J. Bezděk lgt.", 2 specs. (JHAC); "TR [Turkey], prov. Mersin, Erdemli, 200 m, 13.VI.1996, M. Knížek lgt.", 4 specs. (JHAC); "TR [Turkey], prov. Mersin, Güzeloluk, 1200-1400 m, 11-12.VI.1996, P. Zahradník lgt.", 6 specs., (JHAC), all J. Háva det.

Distribution. Species known from Caucasus, Kazakhstan, Turkmenistan, Afghanistan, Uzbekistan, Kirghizistan, Tadzhikistan, N China and introduced in Poland; the above listed are the first records from Turkey.

ACKNOWLEDGEMENTS

I am obliged to Zdeněk Švec (Praha, Czech Republic), for providing me with the interesting specimens of *Anthrenus* from Greece and to P. Zahradník, M. Knížek, V. Švihla (all from Praha, Czech Repub-

lic), J. Bezděk (Brno, Czech Republic) and Z. Malinka (Ostrava, Czech Republic), for providing me with the interesting specimens of *Anthrenus* from Turkey. I thank also Dr. Josef Jelínek (Praha) for his critical comments to the manuscript.

REFERENCES

- MROCZKOWSKI M., 1954 - Contribution to the knowledge of Dermestidae (Coleoptera). *Anthrenus flavidus* Solskij - *Annales zool.*, Warszawa, 16: 1-8.
- MROCZKOWSKI M., 1968 - Distribution of the Dermestidae (Coleoptera) of the world with a catalogue of all known species - *Annales zool.*, Warszawa, 26: 15-191.
- PEACOCK E. R., 1993 - Adults and larvae of hide, larder and carped beetles and their relatives (Coleoptera: Dermestidae) and of derodontid beetles (Coleoptera: Dero-dontidae) - *Handb. ident. British Insects*, London, 5: 1-144.
- SOKOLOV E. A., 1974 - Novye vidy kozheedov (Coleoptera, Dermestidae) iz Kazachstana i srednej Azii - *Trudy Inst. Zool. Akad. Nauk Kazakhskoj SSR*, Alma Ata, 35: 91-96 (in Russian).

ABSTRACT

Anthrenus (Florilinus) sveci n. sp. from Greece is described, illustrated and compared to the very similar species *A. (F.) flavidus* Solsky, 1876, which is recorded from Turkey for the first time.

RIASSUNTO

Anthrenus (Florilinus) sveci n. sp. di Grecia (Coleoptera, Dermestidae).

La nuova specie rinvenuta in Grecia (Peloponneso) viene descritta, illustrata e confrontata con l'affine *A. (F.) flavidus* Solsky, 1876, il quale è citato per la prima volta di Turchia.